METHOD AND SYSTEM FOR TRANSMITTING SYNCHRONIZATION
INFORMATION WITH DATA

ABSTRACT OF THE DISCLOSURE

A method for transmitting synchronization information with data, which data corresponds to a sequence of samples representative of a signal, includes detecting the occurrence of two consecutive equivalent samples and inserting a synchronization pattern for the second-occurring sample prior to transmission. At a receiving end, the incoming signal is monitored to detect the presence of the sync pattern and hold the value of the receiver output at the value of the immediately previous received sample. In this manner, the signal is reconstructed without degradation, and byte synchronization information is sent without any bandwidth loss.